

# Wiring Devices and Supplies

## 2000

Issued August 2001

MA335K(00)-1

Current  
Industrial  
Reports

Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1998 Manufacturing Profiles, issued December 2000.

Current data are released electronically on Internet for all individual surveys as they become available. Use: <http://www.census.gov/econ/www/manumenu.html>. Individual reports can be accessed by choosing "Current Industrial Reports (CIR's)," clicking on "Report Number Index;" from the "Industrial Products by Numeric Index," choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available through the U.S. Department of Commerce and STAT-USA Electronic Bulletin Board by subscription. To access, dial 202-482-3870 and follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information. The Internet address is: [www.stat-usa.gov/](http://www.stat-usa.gov/).

### NOTE

Data are now published on the new North American Industry Classification System (NAICS) basis and therefore are not always comparable to the old Standard Industrial Classification

(SIC) code. For further information on NAICS, see [www.census.gov/epcd/www/naics.html](http://www.census.gov/epcd/www/naics.html).

### SUMMARY OF FINDINGS

During 2000, manufacturers' shipments of wiring devices and supplies totaled \$9.9 billion, a decrease of 1.3 percent from \$10.1 billion in 1999. Current-carrying wiring devices accounted for \$5.3 billion, a decrease of 2.6 percent from \$5.4 billion in 1999, while the noncurrent-carrying wiring devices accounted for \$4.7 billion, a decrease of 2.6 percent in 1999. The 2000 shipments included lampholders, valued at \$152 million, down 4.4 percent from \$159 million in 1999; convenience and power outlets, valued at \$407 million, down 1.9 percent from \$415 million in 1999; switches, valued at \$1.7 billion, down 5.7 percent from \$1.8 billion in 1999; metal contacts valued at \$238 million, an increase of 8.5 percent from \$236 million in 1999; wire connectors, valued at \$1.5 billion, decreased 2.4 percent from \$1.52 billion in 1999; other current-carrying wiring devices valued at \$1.3 billion, up 4.7 percent from \$1.317 billion in 1999; pole line and transmission hardware, valued at \$940 million, down from \$958 million in 1999, a decrease of 1.9 percent; electrical conduit and conduit fittings, valued at \$2.308 billion, up 8.7 percent from \$2.306 billion in 1999; and other noncurrent-carrying devices, valued at \$1.4 billion, up 1.9 percent from \$1.39 billion in 1999.

Address inquiries concerning these data to Investment Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Vance Davis, 301-457-4790.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

## U S C E N S U S B U R E A U

*Helping You Make Informed Decisions*

U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. Census Bureau



Table 1. Value of Shipments of Wiring Devices and Supplies by Class of Product: 1991 to 2000  
[Millions of current dollars]

Product code	Product description	2000	1999	1998	1997	1996	1995	1994	1993	1992
335931	Current-carrying wiring devices.....	5,253	5,395	5,448	5,300	4,836	4,772	4,422	4,087	4,154
3359311	Lampholders.....	152	159	194	194	193	201	211	210	197
3359313	Convenience and power outlets, both general- and special-purpose, excluding pin and sleeve type.....	407	415	461	436	375	364	341	314	332
3359315	Switches for electrical circuitry.....	1,653	1,752	1,840	1,775	1,612	1,623	1,526	1,474	1,424
3359317	Metal contacts precious and other.....	238	236	226	214	239	259	245	208	240
3359319	Wire connectors for electrical circuitry.....	1,481	1,517	1,450	1,462	1,235	1,194	1,082	976	1,007
335931A	Other current-carrying wiring devices, including attachment plug caps, connector bodies, lightning arrestors, and pin and sleeve convenience power outlets.....	1,323	1,317	1,277	1,219	1,182	1,130	1,018	904	953
335932	Noncurrent-carrying wiring devices.....	4,672	4,660	4,464	4,424	3,938	3,915	3,622	3,251	3,140
3359321	Pole line and transmission hardware.....	940	958	852	856	704	673	641	618	542
3359323	Electrical conduit and conduit fittings.....	2,308	2,306	2,126	2,184	1,960	2,050	1,866	1,634	1,601
3359325	Other noncurrent-carrying wiring devices and supplies.....	1,423	1,396	1,485	1,384	1,274	1,192	1,116	999	998

Table 2. Quantity and Value of Shipments of Wiring Devices and Supplies: 2000 and 1999  
[Quantity in thousands of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000		1999	
			Quantity	Value	Quantity	Value
	Wiring devices and supplies.....	(X)	(X)	9,924,881	(X)	10,055,016
335931	Current-carrying wiring devices.....	(X)	(X)	5,253,264	(X)	5,395,297
3359311	Lampholders.....	21	393,369	151,770	418,911	158,755
	Incandescent:					
3359311002	Push through and pull types, all materials, threaded, medium base only, excluding outlet box type and socket interiors 1/.....	5	(D)	(D)	(D)	(D)
3359311004	Outlet box, threaded, medium base only, pull and keyless types.....	4	15,238	16,113	16,051	17,227
3359311006	Weatherproof, threaded, medium base only.....	4	2,880	3,200	2,818	3,242
3359311008	Candelabra base, all types.....	5	7,012	4,208	10,088	4,372
3359311011	Sign and fixture, medium base only.....	5	c/ 14,348	b/ 10,076	r/ 13,936	r/ 10,120
3359311012	All other incandescent, medium, admedium, intermediate, lumiline, miniature, including but not limited to pin-type, cleat, hasp, and socket interiors sold separately, all bases 1/.....	11	93,207	62,751	r/ 107,504	r/ 64,089
	Fluorescent:					
3359311014	Bi-pin.....	6	220,730	29,615	218,977	29,364
3359311016	Slimline 2/.....	4	(D)	(D)	(D)	(D)
3359311018	Recessed double contact 2/.....	4	(D)	(D)	(D)	(D)
3359311021	All other fluorescent, including but not limited to circlene, panelescent and starter holders 2/.....	5	35,507	18,568	r/ 45,519	r/ 23,884
3359311022	All other lampholders, including cold cathode neon and bases for quartz lamps.....	5	4,447	7,239	c/ 4,018	b/r/ 6,457
3359313	Convenience and power outlets, both general- and special-purpose, excluding pin and sleeve type.....	16	235,458	406,977	243,034	414,709
3359313002	Receptacles with GFIC (all types, all amperages).....	3	25,026	155,311	a/ 24,993	158,535
	Receptacles without GFIC:					
3359313004	2-pole, 2-wire (flush, all types) 3/.....	4	(D)	(D)	(D)	(D)
	2-pole, 3-wire and up (flush):					
3359313006	Locking, 15 amperes and under 4/.....	3	(D)	(D)	(D)	(D)
3359313008	Locking, 20 amperes and over 4/.....	7	89,711	c/ 74,930	r/ 93,208	r/ 74,571
3359313011	Nonlocking, 15 amperes and under.....	6	64,407	58,650	67,546	59,784
3359313012	Nonlocking, 20 amperes and over.....	7	34,912	62,136	33,559	60,012
3359313014	Appliance and special applications all amperages, all types.....	6	14,177	b/ 5,808	r/ 15,725	b/ 6,895
3359313016	All other types, including dust and explosion proof, surface and 2-pole/2-wire 3/.....	8	7,225	50,142	r/ 8,003	54,912
3359315	Switches for electrical circuitry.....	72	778,370	1,652,791	a/r/ 857,792	a/ 1,752,216
	General use flush-mounted switches, designed for mounting in switch or outlet boxes (except dimmers):					
	Ac (except mercury):					
3359315102	Single pole, 15 amperes and under.....	6	79,726	63,777	82,876	65,604
3359315104	Single pole, over 15 amperes.....	5	11,869	29,226	11,071	r/ 27,245
3359315106	Other than single pole, including but not limited to double pole 3-way, 4-way.....	6	41,115	79,103	b/ 43,029	b/ 79,976
3359315108	Ac-dc (except mercury) 5/.....	3	(D)	(D)	(D)	(D)
3359315111	All other general use switches, including surface-mounted, mercury, etc. 5/.....	5	10,658	11,794	b/r/ 13,338	b/r/ 16,768
	Special-purpose switches:					
3359315312	Appliance and fixture, including pendant and canopy types and variable speed controls.....	16	76,616	131,613	b/r/ 104,147	b/ 139,940

Table 2. Quantity and Value of Shipments of Wiring Devices and Supplies: 2000 and 1999  
[Quantity in thousands of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000				1999			
			Quantity	Value			Quantity	Value		
3359315314	Precision (1/8-inch gap or less) snap-acting switches, excluding limit switches.....	6	77,185	38,669			78,357	48,880	a/	
3359315616	Aircraft types 6/.....	9	(D)	(D)			(D)	(D)		
3359315218	Automotive types.....	25	295,600	722,603	a/r/		341,975	831,172	a/r/	
3359315321	All other special-purpose switches, including foot actuated, light sensing and signal actuated 6/.....	27	175,301	409,205	a/r/		173,798	424,247	a/r/	
	Dimmers:									
	Incandescent:									
3359315422	Infinitely variable, 600 watts or less.....	6	7,143	73,174			6,568	51,862	a/	
3359315424	Infinitely variable, over 600 watts.....	5	632	25,892	a/r/		542	19,331	r/	
3359315426	All other types, including but not limited to portable lamps and high-low switches.....	6	2,525	67,735	a/		2,091	47,191	b/r/	
3359317	Metal contacts, precious and other.....	17	(S)	237,557			(S)	235,763	b/	
3359319	Wire connectors, including connectors used under national electrical application.....	71	41,285,641	1,481,030	b/r/		39,833,703	1,516,601	a/	
3359319002	Pressure connectors, where pressure is applied by screw, cone, or mechanical device.....	23	1,302,387	188,506	b/r/		1,680,986	231,278	a/	
3359319004	Compression connectors, uninsulated terminals and splicers, tool installed.....	28	4,176,641	222,025			4,320,248	199,330		
3359319006	Preinsulated terminals and splicers, tool installed.....	19	1,849,925	151,161			2,199,732	213,707		
3359319008	Banded or strip terminals and splicers, machine installed.....	15	a/ 2,330,024	69,140			3,926,638	94,083		
3359319011	Pigtail connectors, including wire nuts 7/....	13	(D)	(D)			(D)	(D)		
3359319012	Blade or pin type, separable terminations and splicers 7/.....	13	(D)	(D)			(D)	(D)		
3359319014	Other wire connectors, n.e.c., including solder type 7/.....	36	31,626,664	850,198	a/r/		27,706,099	778,203	a/r/	
335931A	Other current-carrying wiring devices, including attachment plug caps, connector bodies, lightening arrestors, pin and sleeve convenience power outlets, etc. ....	99	(X)	1,323,139			(X)	1,317,253	b/r/	
	Attachment plug caps and flanged outlets, including motor bases, all types; including fused, fuseless, switch, and switchless:									
335931A002	2-pole, 2-wire, all types, general use locking and nonlocking, all amperages.....	11	37,050	16,938	a/		18,391	10,923	a/	
	2-pole, 3-wire and up:									
335931A004	Locking, all amperes.....	7	1,159	5,159			1,246	5,133	r/	
335931A006	Locking, 20 amperes and over.....	7	2,568	22,872	r/		3,056	25,263		
335931A007	Nonlocking, all amperes 8/.....	11	(D)	(D)			(D)	(D)		
335931A012	All other types (except pin and sleeve), including dust and explosion-proof, appliance and other special application 8/.....	7	a/ 15,055	66,669	r/		16,456	56,127	r/	
	Connector bodies and flanged outlets, all types:									
335931A014	2-pole, 2-wire, all types, all amperages....	6	b/ 1,262	a/ 1,515	b/		1,324	1,434	a/	
	2-pole, 3-wire and up:									
335931A016	Locking, 15 amperes and under.....	9	3,144	26,204			2,668	21,310		
335931A018	Locking, 20 amperes and over.....	8	1,308	18,500			1,403	19,986		
335931A019	Nonlocking, all amperes .....	9	5,968	23,909			6,239	25,328		
335931A024	All other types, except pin and sleeve, including dust and explosion-proof, appliance, and other special application .....	7	c/ 77,341	c/ 88,351	r/		96,778	109,805	r/	

Continued

Table 2. Quantity and Value of Shipments of Wiring Devices and Supplies: 2000 and 1999  
[Quantity in thousands of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000				1999			
			Quantity		Value		Quantity		Value	
	Pin and sleeve convenience and power outlets, attachment plug caps and connector bodies:									
	Pin and sleeve, general-purpose (120 volts and over, 20 amperes and over):									
335931A026	Convenience and power outlets 9/.....	7	(D)		(D)		(D)		(D)	
335931A028	Attachment plug caps.....	7	103		11,890		107		12,648	
335931A031	Connector bodies.....	6	561		28,890		499		26,586	
335931A032	All other pin and sleeve, including dust and explosion proof 20-amperes types, etc. 9/.....	5	b/ 800		27,916	b/r/	349	r/	28,585	
335931A034	Fluorescent starters.....	4	c/ 3,656	c/	867	c/	3,760	c/	900	
335931A036	Terminal blocks.....	18	109,668		136,389	a/r/	127,599	b/	134,527	
335931A038	Lightning arrestors for alternating current power transmission systems and sub-stations; U.S. designation, station and intermediate, I.E.C. designation 10 kA and 5 kA Series A.....	5	(X)		55,923		(X)	a/r/	49,253	
335931A041	Lightning arrestors for alternating current power distribution systems and sub-stations; U.S. designation distribution and secondary I.E.C. designation 5 kA Series B, 2.5 kA and 1.5 kA.....	5	(X)		131,229		(X)	r/	137,377	
335931A042	Surge suppressors, designed for equipment operating on 110/120 volt circuits.....	12	(X)	b/	116,162		(X)	c/	130,903	
335931A044	Lightning rods .....	11	(X)		48,225		(X)	a/	54,110	
335931A046	Electric harnesses and assemblies, excluding engine harnesses (from purchased wire).....	16	(X)		221,762		(X)	r/	187,745	
335931A048	All other wiring devices with integral ground fault circuit interrupting capabilities, excluding circuit breakers 10/...	3	(D)		(D)		(D)		(D)	
335931A051	Miscellaneous, including combination devices, adapters, current taps, surface extensions, rosettes, choke coils, rail bonds, and overhead trolley line materials 10/.....	35	(X)		273,769		(X)	a/r/	279,310	
335932	Noncurrent-carrying wiring devices.....	(X)	(X)		4,671,617		(X)		4,659,719	
3359321	Pole and transmission line hardware.....	37	(X)		940,155		(X)	a/r/	957,699	
3359321002	Pole and transmission line construction materials, also known as overhead and underground line hardware for electric transmission, distribution, and communication lines.....	28	(X)		749,691		(X)	a/	786,977	
3359321004	Pole and transmission line anchors.....	4	(X)	b/	19,083		(X)		19,889	
3359321006	All other pole and transmission line hardware.....	12	(X)		171,381		(X)		150,833	
3359323	Electrical conduit and conduit fittings.....	66	(X)		2,308,371		(X)	a/r/	2,305,749	
3359323101	Rigid metal conduit, excluding couplings, nipples, bends, and elbows.....	11	265,011		260,976		260,321		255,658	
3359323106	Nonmetallic conduit (1,000 pounds).....	13	717,470		406,749		802,809		330,696	
3359323108	Electrical metallic (short tons).....	8	509,911		424,264		486,506		399,229	
3359323111	Flexible steel and aluminum conduit (1,000 feet).....	7	826,226		234,542	b/r/	731,405	b/r/	212,701	
3359323112	Flexible nonmetallic conduit (1,000 pounds).....	9	121,678		53,198	a/r/	141,108		49,272	
3359323114	Raceways and wire ways, including fittings, metal.....	10	(X)		190,657		(X)		203,982	
3359323116	Ventilated cable tray and accessories.....	5	(X)		58,752		(X)	b/	60,070	
3359323118	Cast conduit bodies, covers, and gaskets.....	6	(X)		64,255		(X)	a/r/	83,714	
	Rigid conduit fittings, including couplings, nipples, bends, and elbows:									
3359323221	Couplings, connectors, and unions.....	16	(X)		95,102		(X)	b/	131,466	
3359323222	Locknuts and bushings.....	7	(X)		28,687		(X)	a/	33,751	

Table 2. Quantity and Value of Shipments of Wiring Devices and Supplies: 2000 and 1999  
[Quantity in thousands of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000		1999	
			Quantity	Value	Quantity	Value
3359323224	All other rigid conduit fittings.....	6	(X)	30,481	(X) b/	55,350
3359323226	Nonmetallic conduit fittings.....	13	(X)	80,066	(X)	74,879
	EMT fittings (couplings and connectors):					
3359323228	Gland type.....	6	(X)	29,508	(X) b/r/	34,799
3359323231	Set-screw type.....	5	(X) a/	34,266	(X) a/	35,264
3359323232	All others.....	7	(X)	12,117	(X) a/	15,872
3359323234	Service entrance caps, ells, and connectors.....	8	(X)	9,722	(X)	10,709
	Cable, cord, and flexible conduit fittings:					
3359323236	Armored cable, metallic sheathed cable, and flexible conduit fittings.....	13	(X)	162,254	(X) a/	171,860
3359323238	Liquid-tight flexible conduit fittings.....	11	(X)	77,160	(X)	79,840
3359323241	Nonmetallic sheathed cable and cord fittings.....	11	(X) a/	18,584	(X) b/	24,329
3359323242	Other electric conduit fittings.....	12	(X)	37,031	(X) a/r/	42,308
3359325	Other noncurrent-carrying wiring devices and supplies.....	59	(X)	1,423,091	(X) r/	1,396,271
	Stamped metal boxes, covers, and accessories, including stamped conduit boxes:					
3359325102	Switch and receptacle boxes.....	11	(X)	478,062	(X)	426,905
3359325204	Outlet boxes.....	8	(X)	141,514	(X)	142,996
3359325206	Covers.....	11	(X)	47,644	(X)	45,724
3359325208	Supports, bar hangers, and other accessories.....	13	(X)	68,019	(X)	66,253
	Cast metal boxes, covers, gaskets, and accessories:					
3359325311	FS and FD switch and receptacle type.....	7	(X)	16,982	(X) r/	41,878
3359325312	Outlet type.....	7	(X)	46,394	(X)	40,679
3359325314	Junction type.....	12	(X)	29,022	(X) r/	30,812
	Switch, outlet, FM/TV, and telephone wall plates:					
3359325316	Metallic.....	8	52,369	26,960	48,455	25,226
3359325318	Nonmetallic.....	9	385,239	84,231	r/ 341,041	73,831
3359325321	Plastic boxes and covers.....	16	(X)	162,625	(X) r/	177,990
3359325322	Floor boxes and covers.....	7	(X)	48,869	(X)	43,429
3359325324	Other noncurrent-carrying wiring devices and supplies.....	27	(X)	272,769	(X) r/	280,548

D Withheld to avoid disclosing data for individual companies. n.e.c. Not elsewhere classified. r/Revised by 5 percent or more from previously published data. S Does not meet publication standards. X Not applicable.

- 1/Product code 3359311002 is combined with product code 3359311012 to avoid disclosing data for individual companies.  
2/Product codes 3359311016 and 3359311018 are combined with product code 3359311021 to avoid disclosing data for individual companies.  
3/Product code 3359313004 is combined with product code 3359313016 to avoid disclosing data for individual companies.  
4/Product code 3359313006 is combined with product code 3359313008 to avoid disclosing data for individual companies.  
5/Product code 3359315108 is combined with product code 3359315111 to avoid disclosing data for individual companies.  
6/Product code 3359315616 is combined with product code 3359315321 to avoid disclosing data for individual companies.  
7/Product codes 3359319011 and 3359319012 are combined with product code 3359319014 to avoid disclosing data for individual companies.  
8/Product code 335931A007 is combined with product code 335931A012 to avoid disclosing data for individual companies.  
9/Product code 335931A026 is combined with product code 335931A032 to avoid disclosing data for individual companies.  
10/Product code 335931A048 is combined with product code 335931A051 to avoid disclosing data for individual companies.

Note: Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item is estimated. b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

**Table 3. Value of Shipments, Exports, and Imports of Selected Wiring Devices: 2000 and 1999**  
**[Millions of dollars]**

<b>Product description</b>	<b>Manufacturers' shipments f.o.b. plant 1/</b>	<b>Exports of domestic merchandise at port 1/2/</b>	<b>Imports for consumption 1/3/</b>
<b>2000</b>			
Lampholders.....	152.0	28.8	73.9
Metal contacts.....	238.0	177.8	96.1
<b>1999</b>			
Lampholders.....	159.0	32.2	70.4
Metal contacts.....	236.0	141.9	73.0

1/For comparison of the North American Industry Classification System-based product codes with Schedule B export numbers and HTSUSA import numbers, see Table 4.

2/Source: Census Bureau report EM 545, U.S. Exports.

3/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

**Table 4. Comparison of the North American Industry Classification System-Based Product Codes with Schedule B Export Numbers and HTSUSA Import Numbers: 2000**

<b>Product code</b>	<b>Production description</b>	<b>Export number 1/</b>	<b>Import number 2/</b>
3359311	Lampholders.....	8536.61.0000	8536.61.0000
3359317	Metal contacts.....	8538.90.7040	8538.90.8040
3359315102	Switches, other than dimmers.....	8535.30.0040	8535.30.0040
3359315104		8536.50.9065	8536.50.9025
3359315106			8536.50.9035
3359315108			8536.50.9050
3359315111			8536.50.9055
3359315312			*8536.50.9065
3359315314			
3359315616			
3359315218			
3359315321			
3359315422	Dimmer switches.....	*8533.39.0040	*8533.39.0040
3359315424		8536.50.9040	
3359315426			
3359319	Wire connectors.....	8536.69.5050	*8536.69.8000
3359323	Conduit fittings.....	*8547.20.0000	8547.20.0000
		8547.90.0010	8547.90.0010
		*8547.90.0020	*8547.90.0020
		*8547.90.0030	*8547.90.0030
		*8547.90.0040	*8547.90.0040

\* This code is partially correlated with the products described.

1/Source: Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported for the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated.